

SABIC Innovative Plastics LNP THERMOTUF PF008IR PA 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

LNP* Thermotuf* PF008IR is a compound based on Nylon 6 resin containing Glass Fiber. Added features of this material include: High Impact, Mold Release.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOTUF-PF008IR-PA-6.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Time 86400 sec	0.0030 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	143 MPa	20700 psi	ASTM D638
Elongation at Break	2.4 %	2.4 %	ASTM D638
Tensile Modulus	13.1 GPa	1900 ksi	50 mm/min; ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	9.85 GPa	1430 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.21 J/cm	21.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	205 Å°C @Thickness 3.20 mm	401 Å°F @Thickness 0.126 in	unannealed; ASTM D648

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